

AMENDMENTS TO THE CLAIMS:

1. (Currently amended) A torch ~~Torch~~ with integrated electrolytic action for the surface treatment of metals, comprising:

a peak-paddle ~~[(2)]~~ connected with the unipolar electric current supply ~~[(7, 16)]~~ from an external apparatus, the other pole being connected with the metal surface being treated, in which the electrolytic solution used for the specific treatment is arranged in a tank ~~[(6, 21)]~~ connected to said torch to supply said peak-paddle through channels inside said torch; the electrolytic solution is put under pressure in the delivery direction through a metering device of said solution controlled by the user;

wherein said torch comprises ~~characterized in that, it has~~ as a control device of the allocation of the electrolytic solution, a manual pump realized with the flexibility of a cover ~~[(18, 27, 30)]~~ of said torch, set on any part of the adduction ducts, being said pump realized with a couple of non-return valves set one on the top ~~[(25)]~~ and the other on the bottom ~~[(29)]~~ of said flexible zone ~~[(27,30)]~~ of the cover ~~[(18)]~~.

2. (Currently amended) A torch ~~Torch~~ with integrated electrolytic action for the surface treatment of metals, comprising:

a peak-paddle ~~[(2)]~~ connected with the unipolar electric current supply ~~[(7, 16)]~~ from an external apparatus, the other pole being connected with the metal surface being treated, in which the electrolytic solution used for the specific treatment is arranged in a tank ~~[(6, 21)]~~ connected to said torch to supply said peak-paddle through channels inside said torch; the electrolytic solution is put under pressure in the delivery direction through a metering device of said solution controlled by the user;

wherein said torch comprises ~~characterised in that it has~~, as a device for controlling the delivery of the electrolytic solution, a manual pump with mobile piston ~~[(3)]~~, set on any point of the adduction ducts ~~[(13, 14)]~~ and activated by the pressure of the user on the body ~~[(1)]~~ or cover of said torch; combined to said pump with a mobile piston ~~[(3)]~~ at least one non-return valve ~~[(12)]~~ set on the ducts ~~[(11, 13)]~~ between said piston and tank.

3. (Currently amended) The torch ~~Torch~~, according to the previous claim 1, wherein ~~characterised in that it has~~ said cover ~~[(18)]~~ of the torch is formed for realizing stiffening zones ~~[(23, 28)]~~ and concentrated flexibility zones ~~[(30)]~~.

4. (Currently amended) The torch ~~Torch~~, according to the previous claim 3, wherein ~~characterised in that it has~~ the cover is ~~[(18)]~~ formed for realizing on the central metal body of the torch a chamber on the top ~~[(22)]~~ of the non-return valve ~~[(25)]~~.

5. (Currently amended) The torch ~~Torch~~, according to the previous claim 4, wherein ~~characterised in that it has~~ the cover is ~~[(18)]~~ formed in order to realize a chamber ~~[(27)]~~ in correspondence to the second non-return valve ~~[(29)]~~ and in correspondence to the most flexible zone ~~[(30)]~~ of said cover.

6. (Currently amended) The torch ~~Torch~~, according to claim 3 ~~the previous claims from 3 to 5~~, wherein ~~characterised in that it has~~ said cover of the torch is formed for realizing

preferential capacity zones $[(32, 33)]$ between the inside of the cover and the metallic body, by annular seats $[(33)]$ on said body and correspondent internal annular borders $[(32)]$ in the cover.

7. (Currently amended) The torch Torch, according to claim 3 ~~one of the previous claims from 3 to 5, wherein characterised in that it has~~ said cover $[(18)]$ of the torch is formed for realizing preferential capacity zones between the inside of the cover and the metallic body, by means of annular grooves $[(34)]$ on the external part of the cover for the application of belt-ring and clamping ring of said cover.

8. (Currently amended) The torch Torch, according to claim 1 ~~one of the previous claims 1, 2, wherein characterised in that it has~~ said tank $[(6, 21)]$ of the electrolytic solution is removably connected $[(5, 35, 36)]$ to said torch.

9. (Currently amended) The torch Torch, according to claim 1 ~~one of the previous claims 1, 2, wherein characterised in that it has~~ said tank comprises in which, connected with the inside thereof, ~~there is~~ a filter $[(38)]$ permeable just to air or a capillary $[(17)]$ for the re-entrance of air after the suction of the electrolytic solution.

10. (Currently amended) The torch Torch, according to the previous claim 9, wherein ~~characterised in that it has~~ said tank is of the type with a semi-rigid or flexible casing for the re-entry of air after spraying worked by the user.

11. (Currently amended) The torch Torch, according to claim 1 ~~one of the previous claims 1, 2, wherein characterised in that it has~~ said tank is of the type with a rigid casing $[(21)]$ in which inside of it there is a mobile partition $[(39)]$ with a surface in contact with atmospheric pressure $[(37, 38)]$ for the re-entry of air after the suction of the electrolytic solution.

12. (Currently amended) The torch Torch, according to claim 1 ~~one of the previous claims 1, 2, wherein characterised in that it has~~ said tank is of the type with a rigid casing $[(21)]$ in which inside of it there is a mobile partition $[(39)]$ with a surface in contact with a pressurised chamber (G) to push upon said partition during the delivery to push the electrolytic solution.

13. (Currently amended) The torch Torch, according to the previous claim 11, wherein ~~characterised in that it has~~ said tank is of the type with a rigid casing $[(21)]$ in which inside of it there is a mobile partition $[(40)]$ equipped with a union hole $[(41)]$ for a traction and return shaft $[(42)]$ of the partition, to realise the reloading of the tank with the suction of the electrolytic solution.

14. (New) The torch according to claim 4, wherein said cover of the torch is formed for realizing preferential capacity zones between the inside of the cover and the metallic body, by annular seats on said body and correspondent internal annular borders in the cover.

15. (New) The torch according to claim 5, wherein said cover of the torch is formed for realizing preferential capacity zones between the inside of the cover and the metallic body, by annular seats on said body and correspondent internal annular borders in the cover.

16. (New) The torch according to claim 4, wherein said cover of the torch is formed for realizing preferential capacity zones between the inside of the cover and the metallic body, by means of annular grooves on the external part of the cover for the application of belt-ring and clamping ring of said cover.

17. (New) The torch according to claim 5, wherein said cover of the torch is formed for realizing preferential capacity zones between the inside of the cover and the metallic body, by means of annular grooves on the external part of the cover for the application of belt-ring and clamping ring of said cover.

18. (New) The torch according to claim 2, wherein said tank of the electrolytic solution is removably connected to said torch.

19. (New) The torch according to claim 2, wherein said tank comprises, connected with the inside thereof, a filter permeable just to air or a capillary for the re-entrance of air after the suction of the electrolytic solution.

20. (New) The torch according to claim 2, wherein said tank is of the type with a rigid casing in which inside of it there is a mobile partition with a surface in contact with atmospheric pressure for the re-entry of air after the suction of the electrolytic solution.